

3rd Bay Area Population Genomics Conference

Sponsored by the [Ecology and Evolution Group](#) at the [Biology Department](#) at Stanford University

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Registration is FREE but REQUIRED

- Date:** December 11, 2010 (Saturday)
- Place:** Stanford University ~ Biology Department ~ Herrin Hall ~ T175 Auditorium ~ 393 Serra Mall ~ Stanford, CA
- Sign up
RSVP by
Dec. 6** [Attendee List](#) (current count: 99)
- Directions
&
Parking** [Searchable map, 393 Serra Mall, Herrin Hall](#)
- FREE Parking since it's a weekend ~
Available at Lomita Drive, Palm Drive, Museum Way, the Oval
- Contact:** Dmitri Petrov, Stanford; dpetrov@stanford.edu
Joanna Kelley, Stanford; jokelley@stanford.edu

SCHEDULE

- 9:00 AM Breakfast Buffet
- 9:30 AM Rachel Brem, UC Berkeley Pathway evolution in Saccharomyces
- 10:00 AM Dario Valenzano, Stanford Genetic Architecture of longevity in the short-lived fish *Nothobranchius furzeri*
- 10:30 AM Paul Jenkins, UC Berkeley A new approach to computing likelihoods in population genetics models with recombination
- 11:00 AM Coffee Break
- 11:30 AM Jared Wenger, Stanford Adaptive mutations effect minimal trade-offs across the yeast adaptive landscape
- 12:00 PM Ed Green, UC Santa Cruz Recent human evolution as revealed by ancient hominin genome sequences
- 12:30 PM Lunch and poster session (**[register](#) if you would like to get food!**)
- POSTERS (signup is now closed):
- Barbara Dunn, Gavin Sherlock Lab, Stanford Analysis of the Saccharomyces Pan-Genome Across Diverse Strains Reveals Genome Plasticity in Response to Industrial Environments
- Diamantis Sellis, Petrov Lab, Stanford Fitness overdominance as a generic feature of adaptation in diploids
- Vera Kaiser, Doris Bachtrog Lab, UC Berkeley Non-random gene loss from the *Drosophila miranda* neoY chromosome
- Dan Kvitek, Gavin Sherlock Lab, Stanford Sign epistasis between adaptive mutations causes a rugged fitness landscape during experimental evolution
- Beatriz Vicoso, Bachtrog Lab, UC Berkeley Lack of global dosage compensation in *Schistosoma mansoni*, a female-heterogametic parasite, Doris Bachtrog Lab, Berkeley
- Alan Bergland, Petrov Lab, Stanford Natural mutations in the aquaporin, Drip, affect *Drosophila* fecundity
- Fabian Staubach, Petrov Lab, Stanford Is there ancient admixture between house mouse subspecies?
- JJ Emerson, Doris Bachtrog Lab, Berkeley Fisher's geometrical model in light of experimental evolution data
- David Goode, Arend Sidow Lab, Stanford Assessing the functional impact and selective constraints acting on short indels in the human genome

Kirk Lohmueller, Nielsen Lab, Berkeley Natural selection affects multiple aspects of genetic variation at putatively neutral sites across the human genome

Matthias Steinruecken & Josh Paul,
Yun Song Lab, Berkeley An accurate sequentially Markov conditional sampling distribution

Michael Palmer, Feldman Lab, Stanford The Red Queen's Race can select for evolvability

2:00 PM Depart or go for a hike around Stanford

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